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ABSTRACT

A portal-based system for ultraviolet disinfection (UV) of containers and
appliances, the system including a container with a housing having at least one portal for
receiving UV light input for transmission into the container. The portal is designed such
that a fiber optic transmission line is removably connectable to it. This system may
include at least one portal optical component positioned between the portal and the
interior of the appliance, thereby producing an enhanced sterilization of microorganisms
within the container and/or appliance.